

Figure 2A

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TEST	PORT #	MONITORING
check_dig	NP	Tests host DNS
check_disk	NP	Checks disk space (%) host system and generates alert if
check_dns_resolution	NP	percentage is above threshold values.
check_uns_resolution	INF	Obtains IP address for specified host/domain query using nslookup. Can specify optional DNS server or default to
		specified server.
check_ftp	21	Tests an FTP connection with the host and generates an alert
oncok_rtp	21	if answer time is above threshold values.
check_printer	NP	Tests the status of a printer.
check_http/htttps	80 (http)	Test the HTTP service on the host. Test normal and secure
)	443	severs and generates an alert if the answer time is above a
	(https)	threshold value. Follows redirects, searches for strings and
	` ' '	regular expressions, checks connection times, and reports on
		certificate expiration times.
check_imap	143	Tests the IMAP4 service on the specified host and generates
•		an alert if answer time is above threshold values.
check_ircd	6667	Tests IRC daemon on the host and returns an alert of the
		number of users is above threshold values.
check_nntp	119	Tests the network news service on host and generates an alert
		if answer time is above threshold values.
check_ntp	NP	Tests Network Time service and generates an alert when
		offset(s) is above threshold values.
check_oracle	NP	Tests remote or local TNS status and local database status.
check_pop	110	Tests POP mail service on host and generates an alert if
		answer time is above threshold values.
check_postgresql	5432	Tests postgres SQL service on host and generates an alert if
		answer time is above threshold values.
check_real	554	Tests the IMAP4 service on the specified host (at port 554)
		and generates an alert if answer time is above threshold
		values.
check_rpc		Tests if a RPC service is registered and running on host using
		rpcinfo command.
check_smtp	25	Tests the SMTP mail service on host and generates an alert if
_11	_	answer time is above threshold values.
check_snmp		Tests SNMP service on host and generates an alert if answer
ahaala aab	100	time is above threshold values.
check_ssh	22	Tests SSH service on host and generates an alert if request
check ton	Any	times out.
check_tcp	Any	Tests TCP connections with host and generates an alert if answer time is above threshold values.
check_time	NP	
CHECK_UILIC	INE	Tests time port on host and generates an alert if answer time is above threshold values.
check_udp	Any	
check_uup	Any	Tests UDP connection on host and generates an alert if answer time is above threshold values.
		answer time is above uneshold values.

Figure 2B

	_	PARAMETER	THRESHOLD	THRESHOLD VALUES
			LEVELS	
	(Disk Utilization	МО	<75%
241	\ \ _		Warning	75%
)		Critical	%06
		Processor Utilization	МО	< 70%
070			Warning	20%
7 2 4 5	$\Big)$		Critical	85%
		Load	OK	< 0.8
243			Warning	0.8
	$\Big)$		Critical	1
	(Memory Utilization	OK	< 20%
244	\ \		Warning	20% free
•)		Critical	10% free
		Swap Space	OK	< 20%
			Warning	20% free
			Critical	10% free
245		Number of Users	OK	< 10 users
/			Warning	10 users
			Critical	20 users
246	(Number of Processes	OK	< 400 processes
?			Warning	400 processes
)		Critical	700 processes

Figure 2C

Figure 3

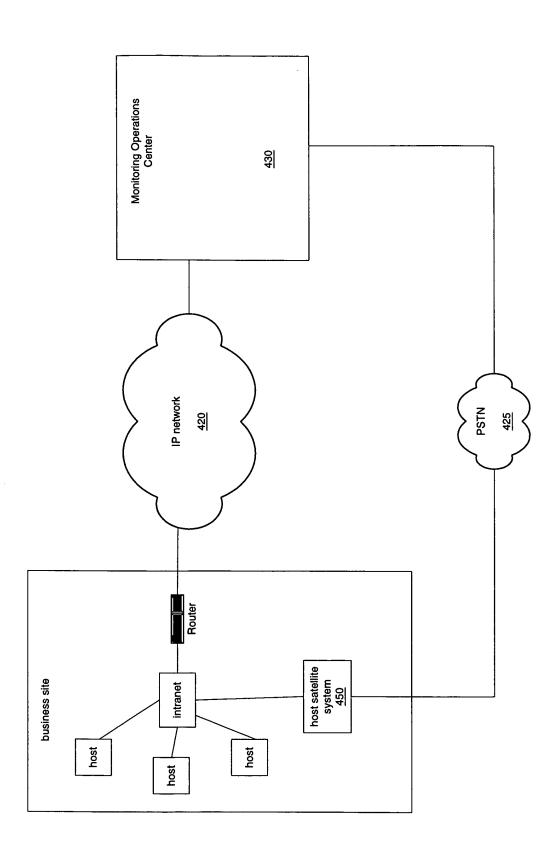
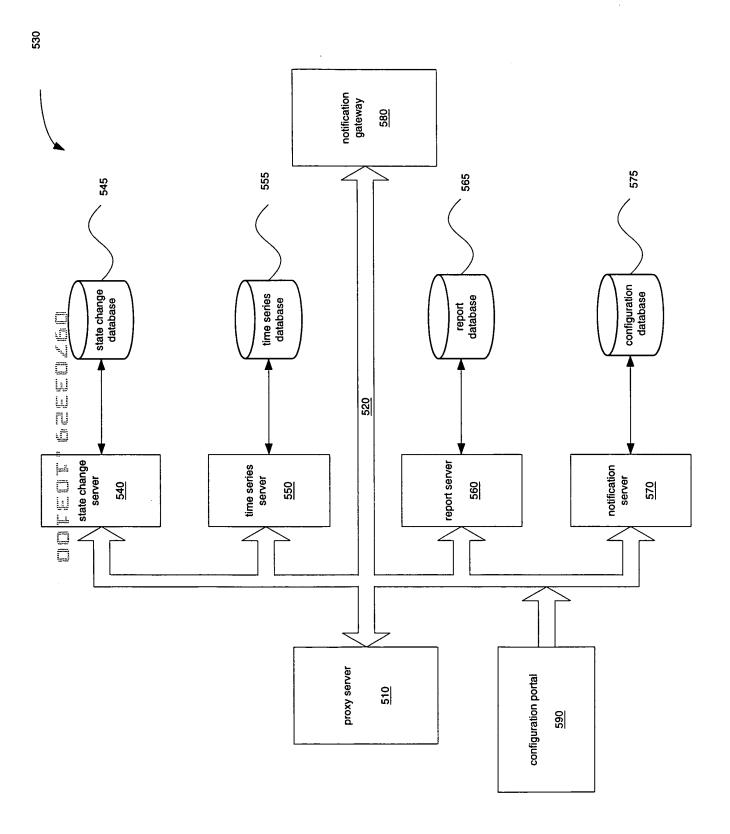


Figure 4





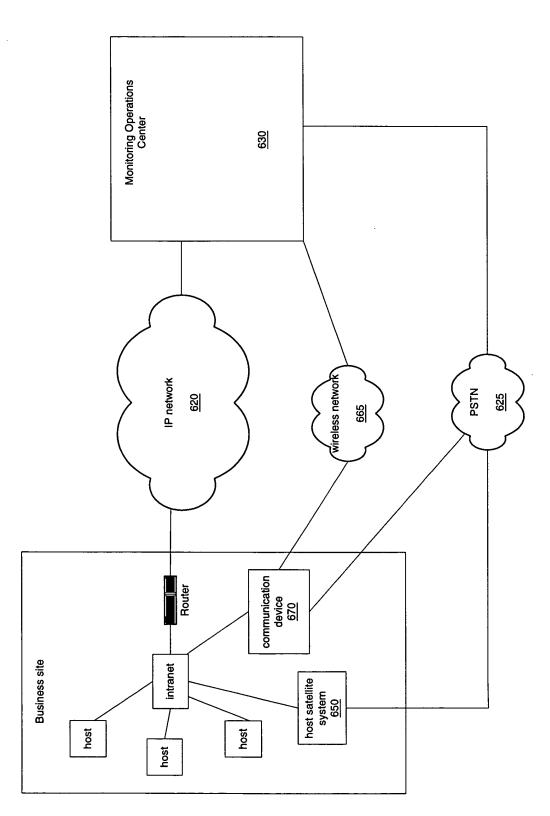


Figure 6

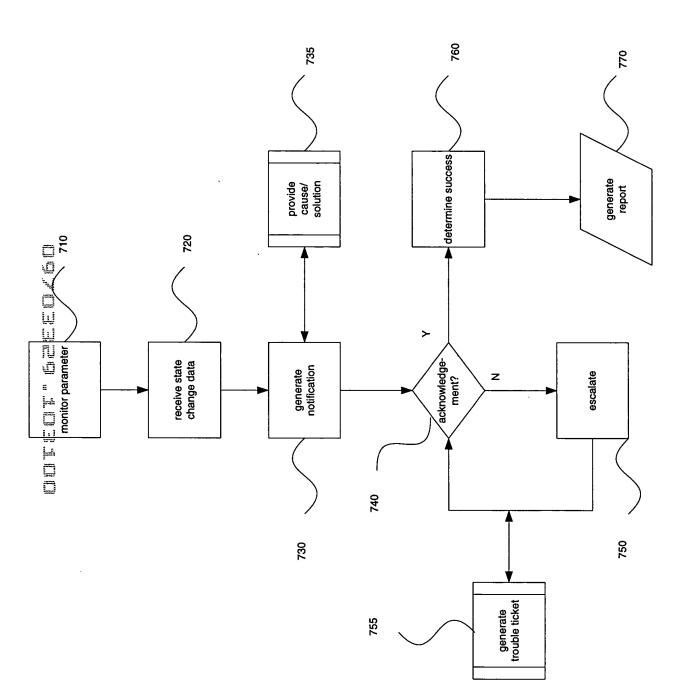


Figure 7